



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2  
290 BROADWAY  
NEW YORK, NY 10007-1866

DEC 11 2012

**Certified Mail-Return Receipt Requested**

Article Number: 7005 3110 0000 5952 8037

Mr. John Goodwin, Village Manager  
Village of Scarsdale  
1001 Post Road  
Scarsdale, New York 10583

Re: MS4 Inspection-Village of Scarsdale  
NPDES Permit No. NYR20A307

Dear Mr. Goodwin:

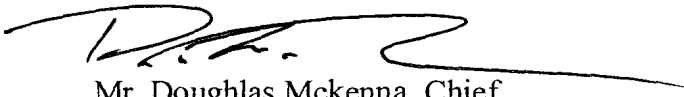
This letter is in reference to the United States Environmental Protection Agency's ("USEPA") Region 2's MS4 Compliance Evaluation Inspection ("CEI") conducted at the subject facility on November 26-27, 2012. The inspection was performed to determine the facility's compliance with the New York State Municipal Stormwater General Permit GP-0-10-002.

During the inspection, we noted some areas, both at the Central Garage, and during the outfall survey, that will need to be corrected. Within thirty (30) calendar days of receipt of this letter, please respond to the USEPA in writing with the actions you have taken or will take to address the Potential Non-Compliance/Area(s) of Concern identified in the enclosed inspection report.

We want to express our sincere thanks to Eric Gerringer for his assistance provided during our MS4 field part of the inspection.

Should you have any questions feel free to contact Messrs. Jerry Ciotola, at (212) 637-4323 or Robert Ferri at (212) 637-4227.

Sincerely yours,



Mr. Douglas Mckenna, Chief  
Water Compliance Branch

Enclosure

cc: Joe DiMura, P.E., Director, Bureau of Water Compliance Programs, NYSDEC  
Patrick Ferricane, NYSDEC Region 3, NYSDEC



**MS4 Inspection Report/Village of Scarsdale, NY  
(NYR20A307) – November 26-27, 2012**

Location: Village of Scarsdale, Westchester County, NY

Outlet Location: Bronx River, Hutchinson River, tributaries to upper Sheldrake drainage basin (Long Island Sound)

Weather Conditions: Weather for the inspection period was mild; dry (Day 1),  
Some light precipitation; wet with snow flurries (Day 2)

## **Background**

The Village of Scarsdale is located in the south area of Westchester County, New York with a population of 17,166 based on the year 2010 census. The population density was approximately 2,600 people per square mile (1,000/km<sup>2</sup>).

Scarsdale is bordered on the south by Eastchester and the City of New Rochelle, the Bronx River Parkway to the west and the Hutchinson River Parkway to its east, and the City of White Plains just north. The Village has a total land area of 6.6 sq. miles. The highway network consists of approximately 79 miles of Village maintained highways and 10 miles of county and state maintained highways. The Village is primarily a residential community made up mostly of single family homes with two business areas to the east and western part of the Village.

The main water body to which stormwater flows is Long Island Sound by way of the Bronx, Mamaroneck, and Hutchinson Rivers. The New York State Department of Environmental Conservation identifies water quality related problems on its 303d List (Individual Waterbody's with Impaired Segments) as pollution due to Dissolved Oxygen/Oxygen Demand and Pathogens in the Hutchinson River and Oil/Grease, Dissolved Oxygen / Oxygen Demand and Pathogens in the Bronx River. Silt/sediment, pathogens and nutrients are pollutants of concern for the Mamaroneck River. Scarsdale has separate stormwater conveyance system which consists of storm water outfalls, catch basins, and interconnecting pipes maintained by the Public Works Department. There are no onsite systems within the Village. Two large detention basin projects were in the final stages of completion, with an emphasis on preventing major flooding during significant rainfall events.

The Village's Storm Water Management Plan was prepared by the consultant, Dolph Rotfeld Engineering (revised November 2012). According to the most recent MS4 Annual Report to NYSDEC, ending March 9, 2012, the Village has a total of (43) storm water outfalls draining to the Bronx, Sheldrake and Hutchinson Rivers. Upon inspecting the Village outfalls, officials indicated that some outfalls were not terminal outfalls, and would not be part of the inspection. In addition, an outfall on 104 Palmer Ave should be added to the mapping. Village officials advised inspectors that the mapping will be revised.

## **Introduction**

On November 26, 2012, a briefing meeting was held with Village officials that included Mike Ritchie and James Maxwell of Dolph Rotfeld Engineering. Scarsdale was represented by John D. Goodwin, Village Manager, Stephen M. Pappalardo, Deputy Village Manager and Eric P. Gerringer, Deputy Superintendent of Public Works.

During the meeting, we had the opportunity to discuss general requirements of the MS4 permit, and focus on Part VIIA detailing Illicit Discharge Detection and Elimination (IDDE) and SWMP development and implementation. The Village started development of their Stormwater Management Plan on November 7, 2003. James Maxwell and Mike Richie gave a brief overview of Scarsdale's storm water system, and provided detailed mapping information contained on a CD. All of Scarsdale's stormwater outfalls were GPS field verified and mapped in February 2007.

The purpose of EPA's NPDES MS4 inspection was to identify potential sources of pathogens and illicit discharges that might impact water quality in the area which includes Long Island Sound. The EPA inspection team consisted of Jerry Ciotola and Robert Ferri, of EPA Region 2. The initial meeting was held at the Village's offices at 1001 Post Road, followed by an inspection of the Village of Scarsdale Central Garage, Public Works Department, and Transfer Station on November 26, 2012. While there was still dry weather inspectors went to all potential dry weather overflow sites. We followed up the next day to complete outfall inspections. The entire MS4 inspection consisted of the municipal garage areas, all Village stormwater outfalls, and two detention basins, George Field Park and Cooper Green. The brief exit meeting was held on November 27, 2012.

### **Village of Scarsdale Central Garage 25 Ramsey Road, Scarsdale NY**

Scarsdale's Central Garage encompasses vehicle and equipment storage, maintenance (two locations within the facility) repair and refueling. The central garage also houses a school bus parking facility adjacent to the DPW building. All drainage within the two maintenance garages at this site is conveyed to an oil/water separator, pumped out, and trucked by EnviroWaste. Stormwater drainage within the yard boundaries is conveyed to the Sheldrake.

There is a shop parts washer (picked up by Envirowaste), millings are collected and landfilled. Absorbents such as "Speedy-dri" are used for oil/lubricant/solvent spills onsite. EPA inspectors did not observe spill packs at the fueling island or garage areas. Vehicle washing is conducted both inside and outside, grey water passes thru the oil/water separators, and ultimately to the sanitary collection system.

Gasoline (10,000 gal) and diesel (8,000 gal) are in double-walled above ground tanks and other fluids (waste oil, antifreeze) are stored in contained above ground storage tanks.

Salt storage is in covered sheds. Liquid calcium chloride for de-icing is stored onsite next to the salt shed.

**Transfer Station****110 Secor Road, Scarsdale NY**

We observed tree cutting/mulching operations onsite, with approximately 4,000 tons of cuttings since Hurricane Sandy. At the materials/temporary storage area inspectors observed some washout/tracking of salt (de-icing) where salt is loaded and unloaded to vehicle spreaders. In this area piles of cold patch (asphalt) are stockpiled, and should be covered to prevent spillover.

**Village of Scarsdale, NY**

On November 26<sup>th</sup> (River Road outfalls) and the 27<sup>th</sup>, 2012 an inspection of all discrete Village outfalls was conducted by EPA inspectors Jerry Ciotola and Robert Ferri, accompanied by Eric P. Gerringer, DPW. The inspection consisted of visually surveying every outfall that discharged to surface water. Flows from Scarsdale's storm sewer system drain on the west to the Bronx River watershed, and on the east to the headwaters of the Hutchinson and Sheldrake. All of Scarsdale's separate storm water system wet weather flows are by gravity.

**Recommendations (Areas of Concern)**

1. Ensure that all flows from vehicle wash down areas are fully controlled by consolidating wash down to indoor garage locations only. All wash waters must be restricted to discharge to the sanitary sewer system.
2. Control of de-icing material spillage from loading vehicles should be restricted to a bermed area near the salt shed, rather than the current materials stockpile location to minimize tracking and exposure to the storm system due to rain events.
3. During bulk fueling operations (gasoline and diesel tanks), yard drains should be blocked to prevent contamination in the event of a spill.
4. Upon inspection of a catch basin on Greendale Road (adjacent to Green Field Park) inspectors noted a corrugated PVC pipe (apparently from a private dwelling) entering directly thru the top cover. In addition the metal of the catch basin was broken.

**Outfalls that could be a source of illicit discharges**

Outfall H3, 26 and 30 East Woods Road, Latitude 40.982755 Long -73.788876, 12" concrete pipe. At this location there existed a strong smell of sewage which is indicative of a surcharged or blocked sanitary line in the area. The storm water catch basins on this street should also be sampled, and service connection smoke/dye tested (if possible).

Outfall H4, at the intersection of Southwoods Lane and East Woods Rd, Latitude 40.981186 Long. -73.790387 (27x 43" corrugated steel pipe behind the residence).

Outfall B7H, in the vicinity of the Scarsdale High School, Latitude 40.993817 Long. -73.795854 (a good portion of the stream was exhibiting septicity, sheens of oil/grease, etc.

Outfall BR11, off River Road, left side, Latitude 41.016965 Long.-73.789104, 54" reinforced concrete pipe (sampled with analysis provided by Westchester County in 2008 and reported very high coliform results).

Outfall BR12, off River Road, residential, Latitude 41.018102 Long.-73.788051, 24" concrete pipe (sampled with analysis provided by Westchester County in 2008 and reported very high coliform results).

Outfall S3, 104 Palmer Ave, behind the Scarsdale Central Garage, Latitude 40.990369 Long. - 73.764007, 36 reinforced concrete pipe, enters into a surface tributary, with analysis provided by Westchester County in 2012 (unusually high solids).

**Dry Weather overflow outfalls noted during the MS4 Inspection**

Outfall BR7, River Road, 36" corrugated metal, Latitude 40.990441 Long.-73.808778 9, flows drain from the downtown area

Outfall S2, Quaker Ridge Golf Course, open channel, Latitude 40.963827 Long.-73.763563, some natural scum visible in stream

Outfall H2, #20 Forest near Drake, 36" concrete, Latitude 40.984866 Long.-73.787517, unmapped PVC pipes in the vicinity of this outfall

Outfall H14, north of #6 Tauton Rd, 36" concrete pipe, Latitude 40.984973 Long.-73.800363, unmapped 10" corrugated pipe in the vicinity of the outfall

Outfall BB1, Black Birch and Saxon Woods, 24" concrete, recently lined, close to the White Plains border

# Outfalls Inspected on November 26-27, 2012 by EPA Inspectors Robert Ferri and Jerry Ciotola

Municipality: Scarsdale (V), NY NYR20A307

Inspectors: Jerry Ciotola and Robert Ferri

Inspection Dates 11/26-27/2012  
11/26-26/2012 Saturday to Monday was dry  
11/27/2012 Tuesday was snowy and raining

Outfall ID

Observations

pipe material  
height-width  
diameter

water

EPA will sample

Notes

Monday November 26, 2012

B12, River Road

B17, River Road

B4 Garth Road

B5, Garth Road

B6, Garth and Popham Road

B6A, Garth and Depot

B13, beginning of River Road

S1, Harry Winston Estate

S2, Quaker Ridge Golf Course

B9A, Green Acres

B9B

note 1

note 2

note 3

note 4

note 5

Latitude

Longitude

EPA Latitude

EPA Longitude

Latitude

Longitude

EPA Latitude

EPA Longitude

Latitude

Longitude

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Tuesday, November 27, 2012

H2, #20 Forest near Drake

H3, #26, #30 East Woods Road

H4, South Woods and East Woods

H5, dead end Barry Road

H6, dead end Tunstall

H7, #310 Boulevard at New Rochelle boarder

H8, #107 Sprange Road

H14

B7H

B81, Black Birch and Saxon Woods

Notes:

1. near small wood bridge
2. Scarsdale/Mamaroneck boarder
3. catch basins that have big openings can be a safety issue. DE painted on manhole
4. County inserted oil booms on this street., there may be collapsed lines, there have been sur charged lines on this street
5. near Scarsdale Public School District building, noted sediment in stream

PHOTOGRAPH LOG (Panasonic Lumix L8Z)

Village of Scarsdale, NY (Unedited photos taken by Jerry Ciotola, Environmental Engineer, USEPA Region 2, Water Compliance Branch, November 26-27, 2012)



Salt tracking during loading at materials storage area





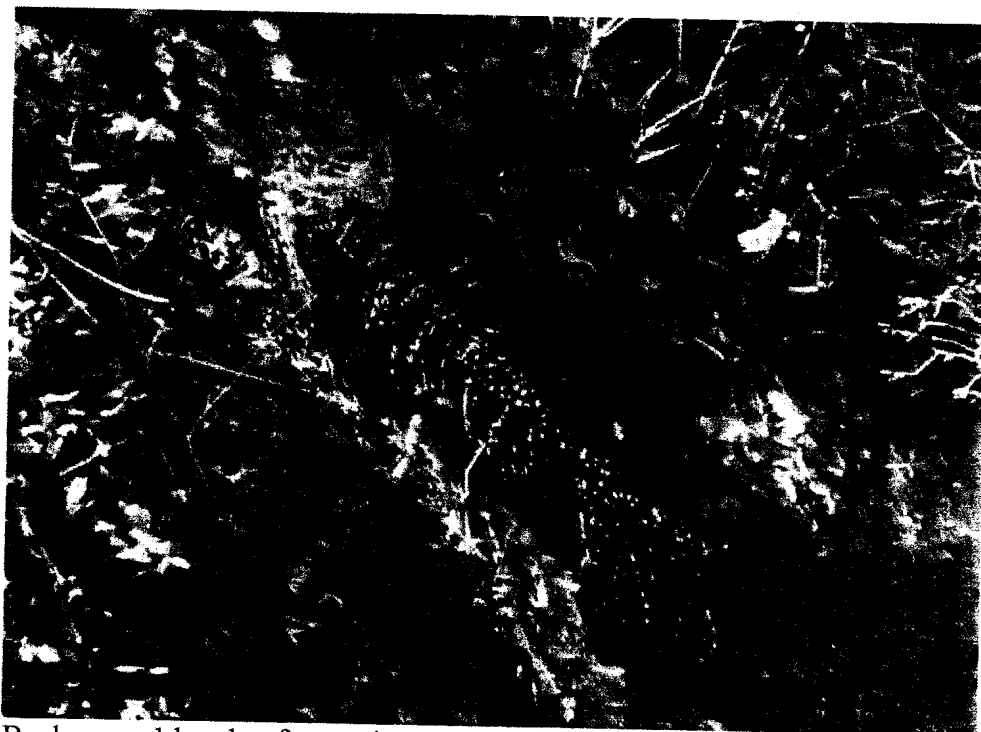
Excessive salt tracking during loading at materials storage area



Excessive salt tracking during loading at materials storage area



Dry weather overflow along River Road



Background levels of scum in stream



Corrugated pipe from residence illegally connected to catch basin



End of line sanitary catch basin with evidence of sewage break near 26 Eastwoods Lane



Catch basin adjacent to corner of Eastwoods and Southwoods Lane with strong sewer odor



Mapped outfall behind 26 Eastwoods Lane



Unmapped PVC pipe from a residential connection to stream near Forest Lane & Drake Rd.